

Valerio Valente

Medior Data Scientist

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TLDR: Data Scientist with 2+ years building AI solutions in pharma & manufacturing. Specialized in LLMs, NLP, and MLOps. Delivered PoCs, deployed GenAI apps, and led technical interviews. EU citizen – open to relocation.

Languages: Python, SQL, R

ML/AI Tools: Scikit-learn, Pandas, MLflow, OpenAI, Langchain, LlamaIndex

MLOps & DevOps: Docker, Azure, AWS, Streamlit

Specialties: NLP, LLMs, RAG, BI Dashboards, PoCs, Model Deployment

Data Scientist (InSilicoTrials Technologies SpA)

April 2024 – current

- Deployed and monitored ML models using Azure Machine Learning suite; implemented end-to-end MLOps pipelines.
- Developed transformer-based models for clinical datasets, improving drug analysis insights.
- Built and deployed LLMOps pipelines enabling GenAI for tasks like optimization-by-prompting (OPRO), document parsing, and code generation.
- Conducted technical interviews and mentored team members on ML best practices.

Data Scientist (Miraitek srl)

September 2023 – April 2024

- Developed a RAG-based retrieval agent on AWS to automate document analysis workflows.
- Identified 7% inefficiencies in manufacturing processes via Python-based pattern recognition algorithms.
- Delivered BI dashboards using Apache Superset and SQL, driving operational efficiency for clients.

Education

Master of Science in Engineering in Computer Science (Sapienza University)

January 2023

Major: Computer Science | Minor: Data Science & Machine Learning

- Thesis: *NLP for Integrity on Social Platforms* (collaboration with **ex-Meta researcher**).
- Achieved +15% accuracy improvement using meta-learning techniques over traditional approaches.

The whole project is available on my [website](#).

Bachelor of Science in Software Engineering (Roma Tre University)

December 2019

Major: Engineering | Minor: Computer Science

Achievements & Certifications

- **Finalist of HUAWEI Seeds For the Future program** November 2021
 - Collaborated in a cross-functional team of 5, representing Italy in the global Tech4Good final.
 - Developed a comprehensive business plan with a focus on tech innovation, budget analysis, and investor engagement.
- **Certifications available on my [LinkedIn](#) profile (all related to ML and Data Science).**